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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: LOW MOLECULAR WEIGHT COPOLYMER OF ETHYLENE AND VINYL AROMATIC MONOMER AND USES THEREOF

(57) Abstract: An article of manufacture comprises a copolymer of ethylene and vinyl aromatic monomer having a molecular weight of less than 15,000. Preferably, the copolymer is characterized by a backbone having a first and second terminal end group, the first terminal end group is a methyl group, the second terminal end group is a vinyl group, wherein the ratio of the terminal methyl group to the terminal vinyl group is 0.8:1 to 1:0.8. The article of manufacture includes, but is not limited to, waxes, lubricants, additives, etc. The waxes may be used to formulate paints and coatings, printing inks, carbon paper, photo toners, building and construction materials, mold release agents, hot melt adhesives, candles. The waxes may also be used in wood processing, metal working, powder metallurgy and sintering, wax modeling, sizing, crop protection, and so on.

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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US 03/10844A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C08F210/02 C08F212/00 C08F8/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, WPI Data, EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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\*&amp;\* document member of the same patent family

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